

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006676.D
 Acq On : 20 Dec 2018 15:21
 Operator : JC/MD
 Sample : J6484-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 970-MW-11(15)

Quant Time: Dec 21 03:31:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	628490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	996831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	919226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	441570	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	344074	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	5.50	113	294452	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	8.71	98	1180823	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.13	95	429868	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

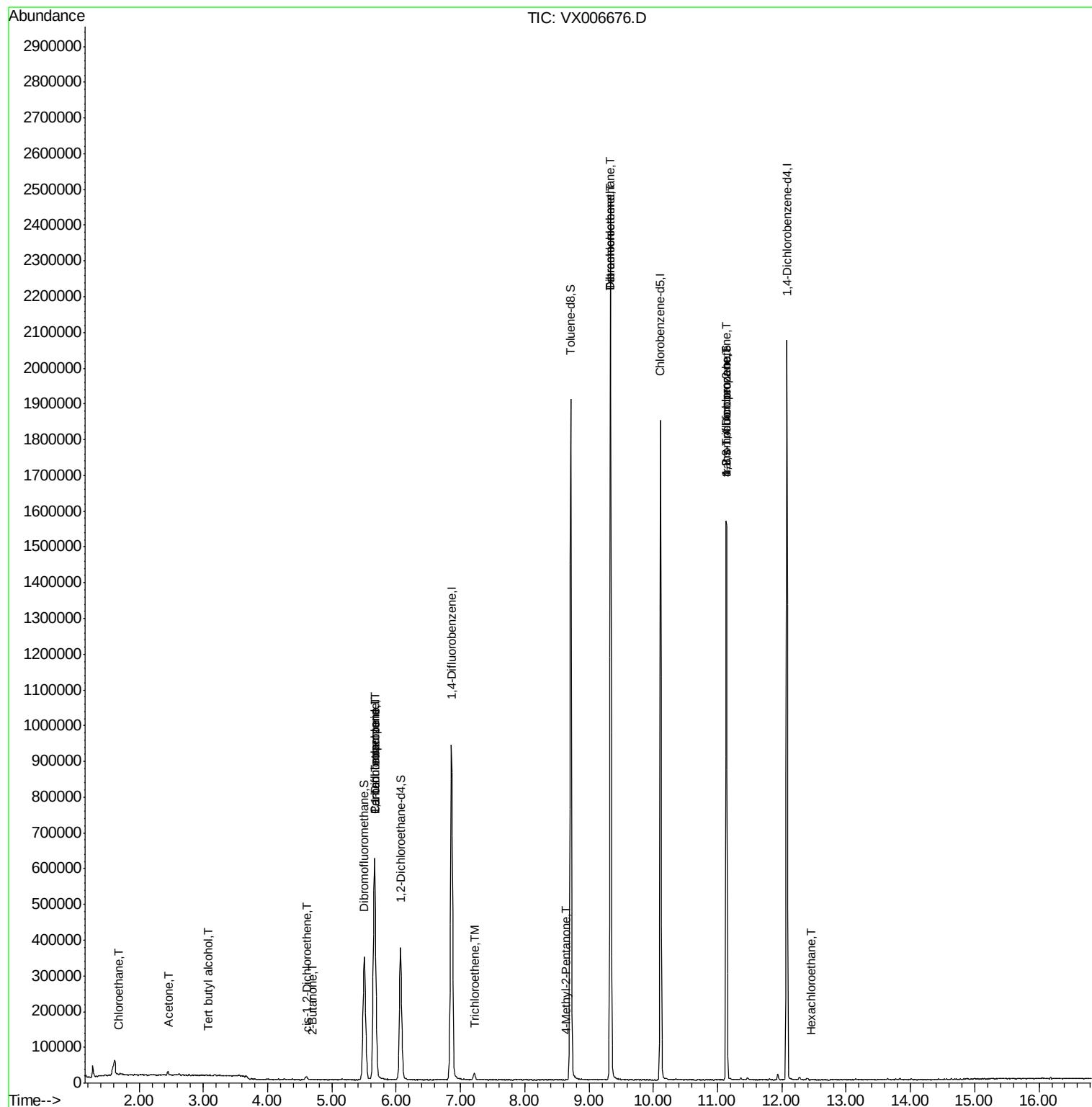
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	693	Below Cal	#	67
6) Chloroethane	1.69	64	1141	0.255	ug/l #	49
11) Tert butyl alcohol	3.07	59	2578	1.705	ug/l #	92
16) Acetone	2.45	43	11850	3.808	ug/l	94
25) 2-Butanone	4.70	43	3851	0.880	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	5142	0.749	ug/l	88
28) Bromochloromethane	5.03	49	308	Below Cal	#	38
36) 1,1-Dichloropropene	5.67	75	42866	5.192	ug/l #	49
38) Carbon Tetrachloride	5.67	117	60532	7.544	ug/l #	13
44) Trichloroethene	7.21	130	7619	1.003	ug/l	90
49) 1,4-Dioxane	7.71	88	113	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.65	43	1832	0.220	ug/l #	82
60) Dibromochloromethane	9.34	129	452082	64.431	ug/l #	10
64) Tetrachloroethene	9.34	164	477593	65.614	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	199681	24.333	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199681	72.016	ug/l #	10
90) Hexachloroethane	12.46	117	48	3.304	ug/l	54

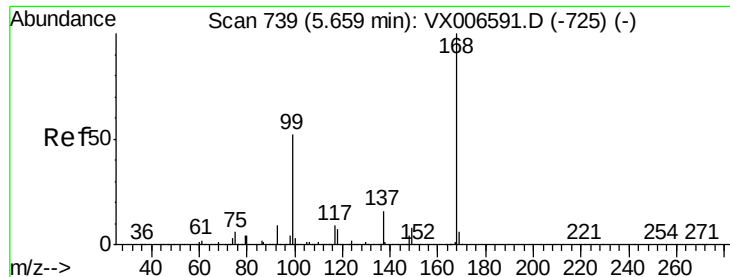
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
970-MW-11(15)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

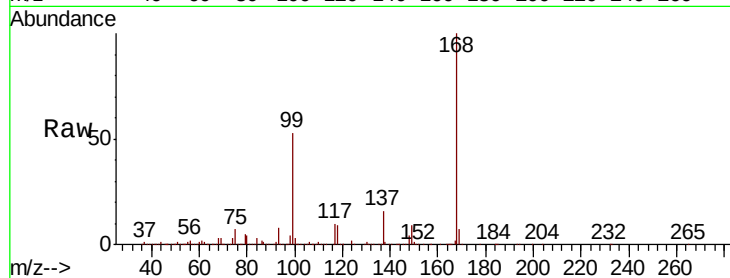
970-MW-11(15)

Tot Ion:168 Resp: 628490

Ion Ratio Lower Upper

168 100

99 53.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

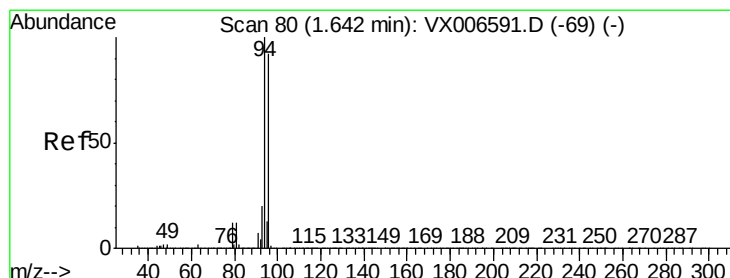
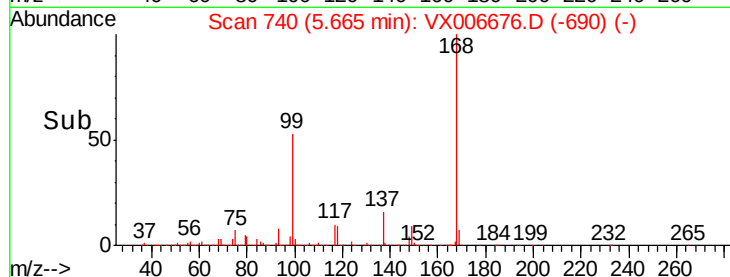
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006676.D

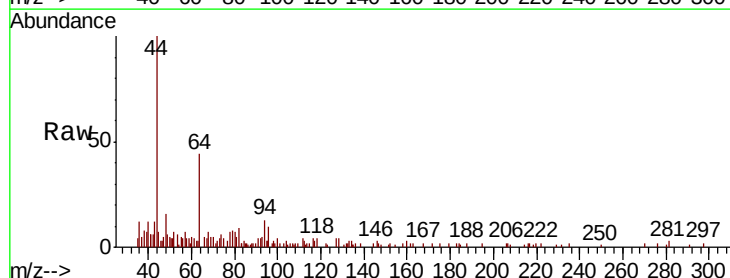
Acq: 20 Dec 2018 15:21

Tgt Ion: 94 Resp: 693

Ion Ratio Lower Upper

94 100

96 60.7 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

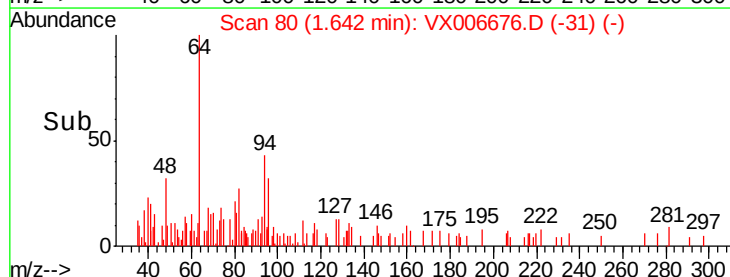
600

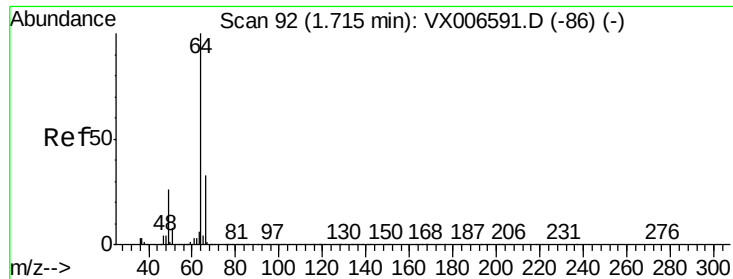
400

200

0

Time-->





#6

Chloroethane

Concen: 0.255 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

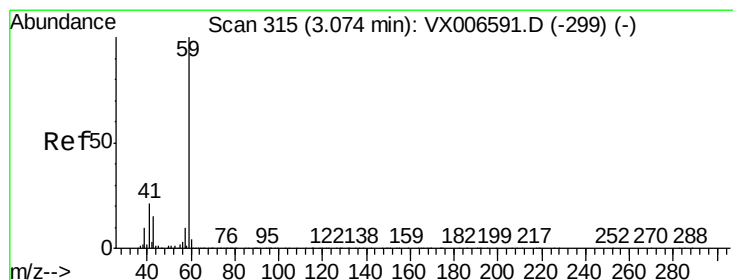
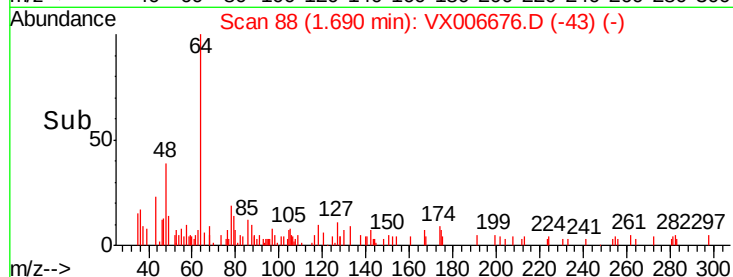
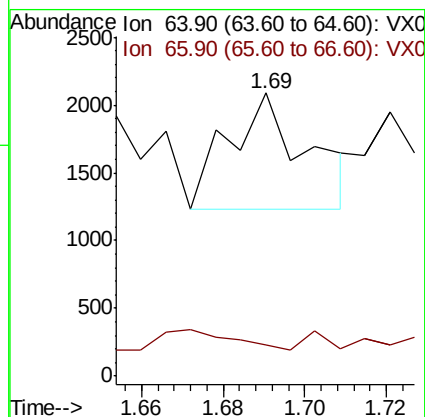
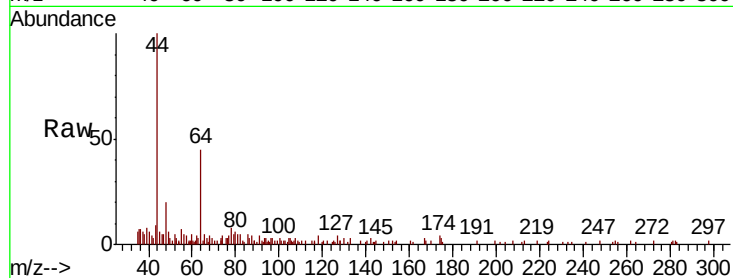
970-MW-11(15)

Tot Ion: 64 Resp: 1141

Ion Ratio Lower Upper

64 100

66 4.2 26.4 39.6#



#11

Tert butyl alcohol

Concen: 1.705 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006676.D

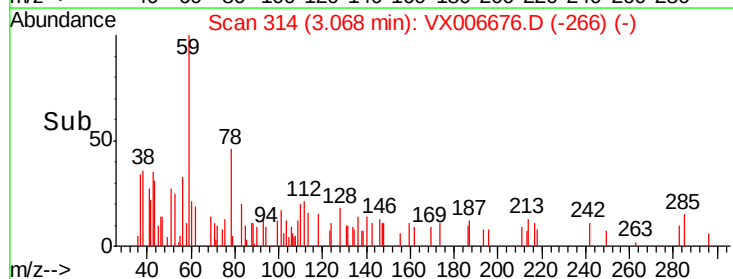
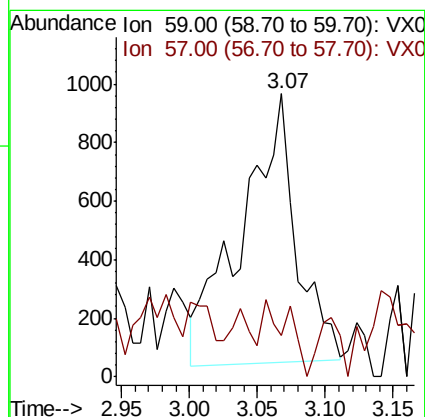
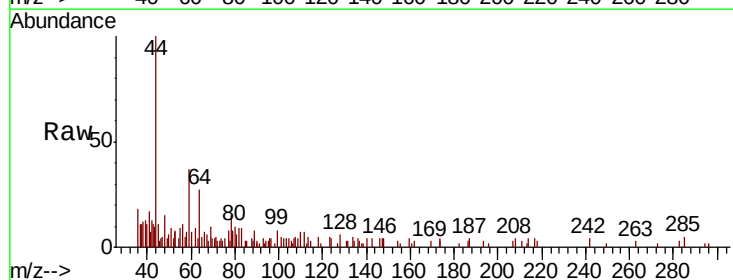
Acq: 20 Dec 2018 15:21

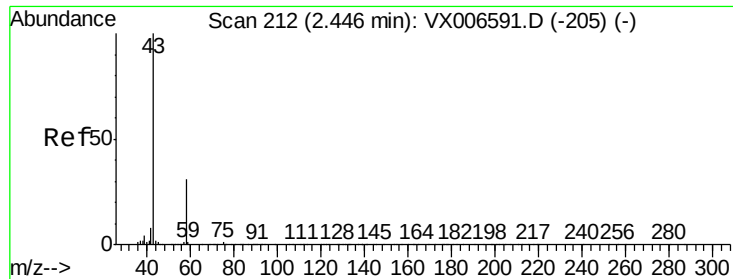
Tgt Ion: 59 Resp: 2578

Ion Ratio Lower Upper

59 100

57 13.7 8.5 12.7#

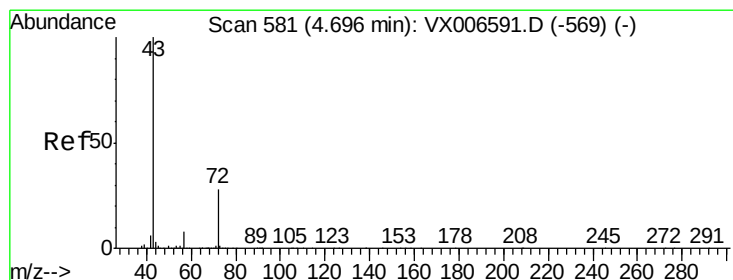
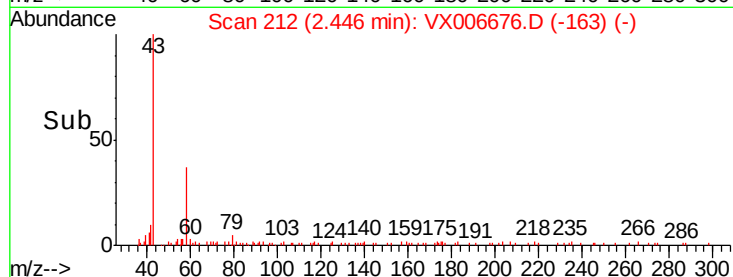
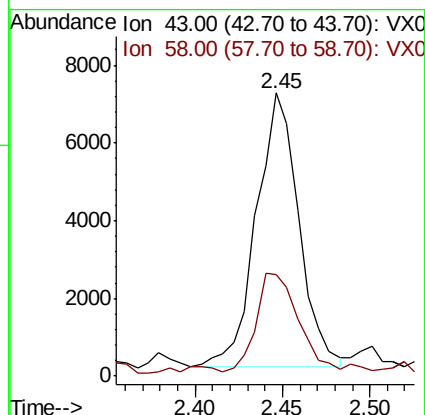
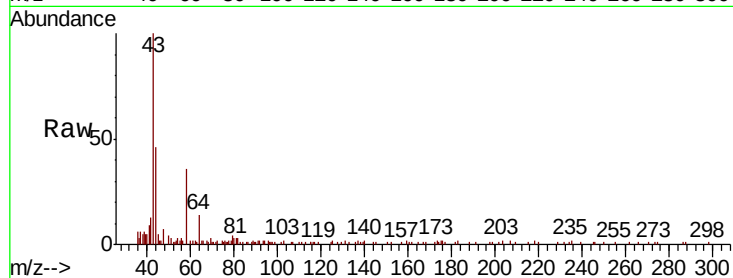




#16
Acetone
Concen: 3.808 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

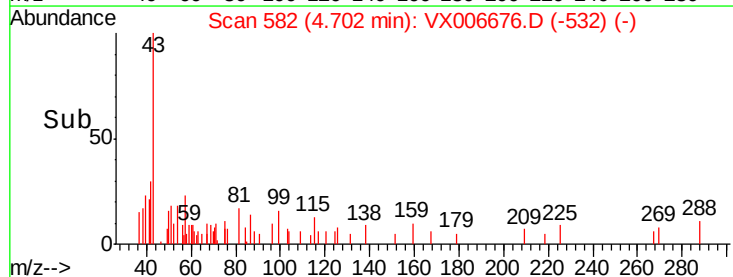
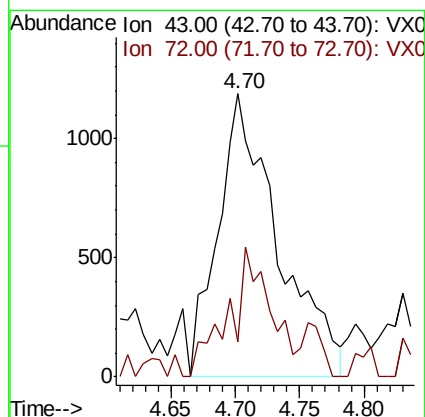
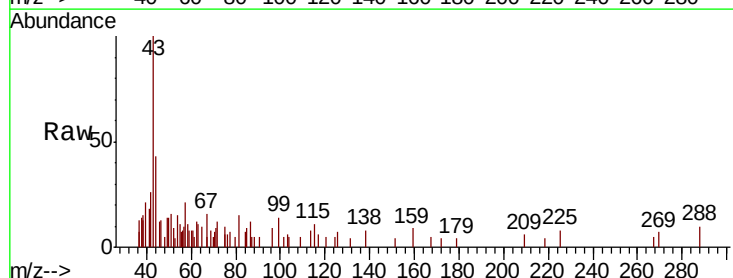
Instrument :
MSVOA_X
ClientSampleId :
970-MW-11(15)

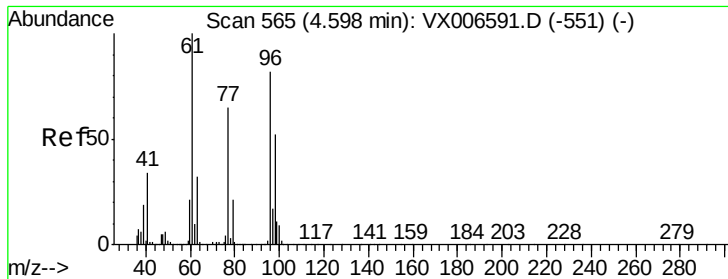
Tot Ion: 43 Resp: 11850
Ion Ratio Lower Upper
43 100
58 34.6 25.0 37.6



#25
2-Butanone
Concen: 0.880 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 43 Resp: 3851
Ion Ratio Lower Upper
43 100
72 12.3 22.4 33.6#



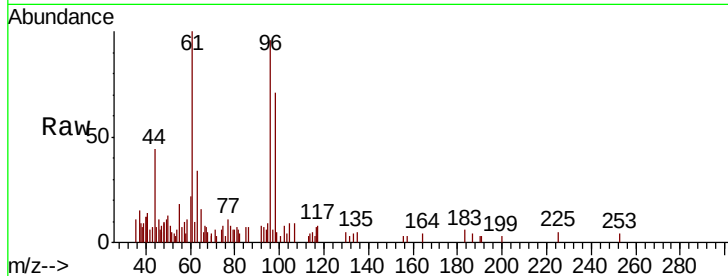


#27

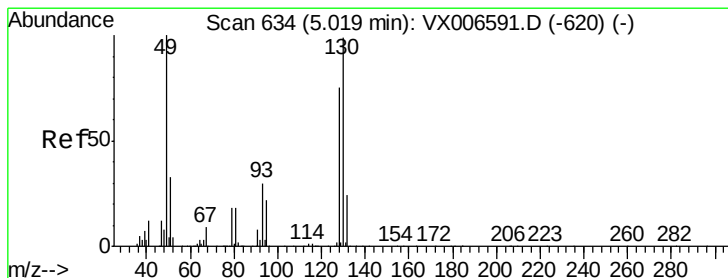
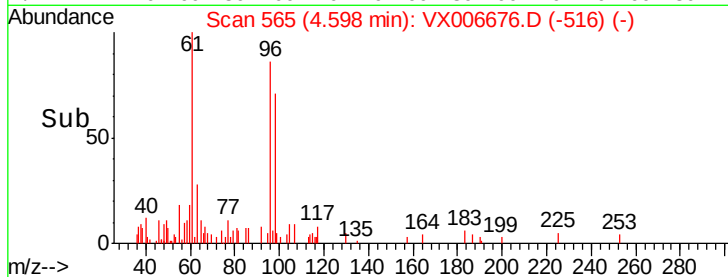
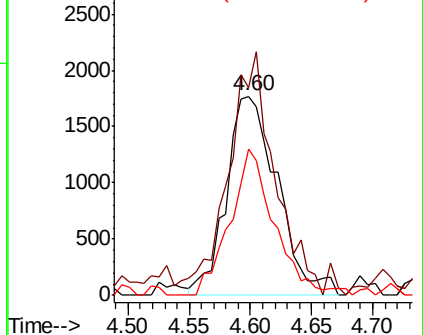
cis-1,2-Dichloroethene
 Concen: 0.749 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX006676.D
 Acq: 20 Dec 2018 15:21

Instrument :
 MSVOA_X
 ClientSampleId :
 970-MW-11(15)

Tot Ion	Ratio	Lower	Upper
96	100		
61	110.6	0.0	258.6
98	63.9	0.0	132.0



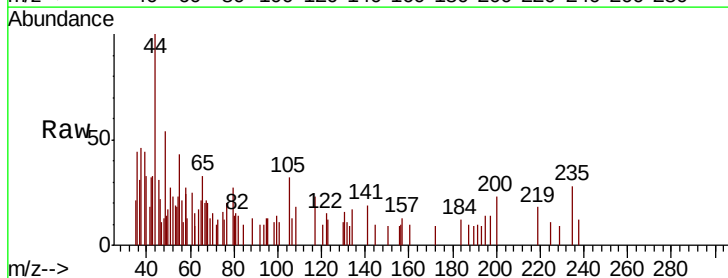
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



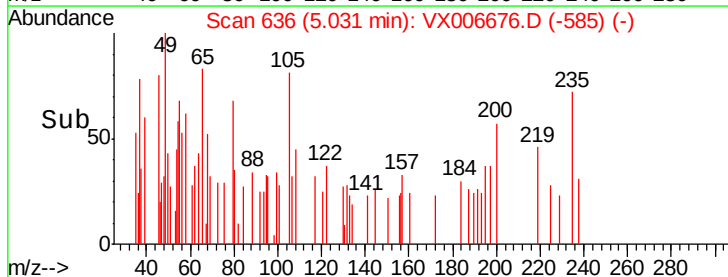
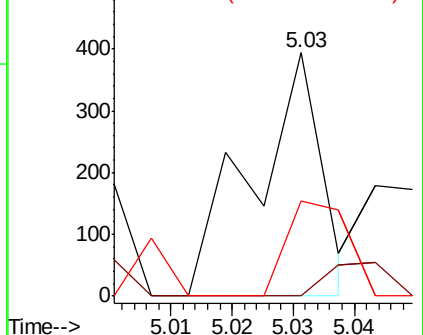
#28

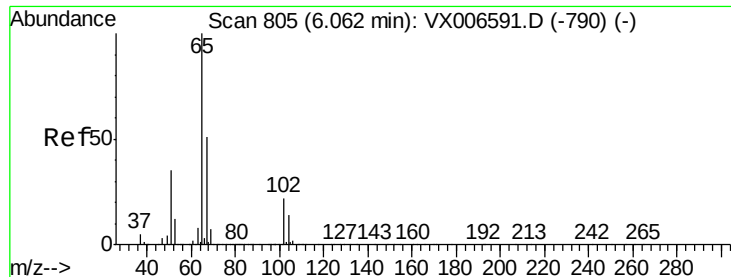
Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VX006676.D
 Acq: 20 Dec 2018 15:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	12.7	0.0	5.4#
130	34.7	77.7	116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 50.796 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

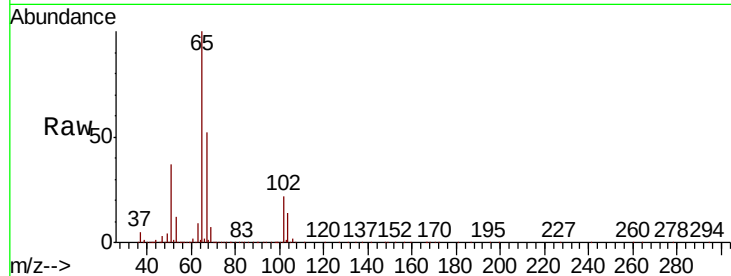
970-MW-11(15)

Tot Ion: 65 Resp: 344074

Ion Ratio Lower Upper

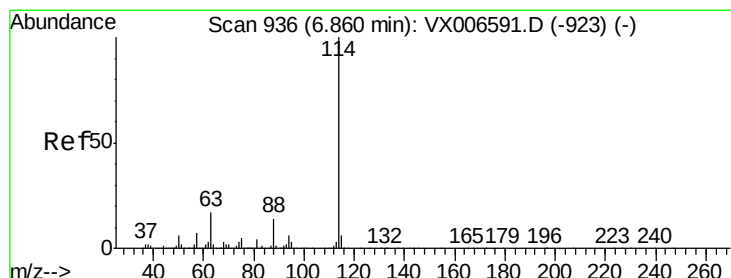
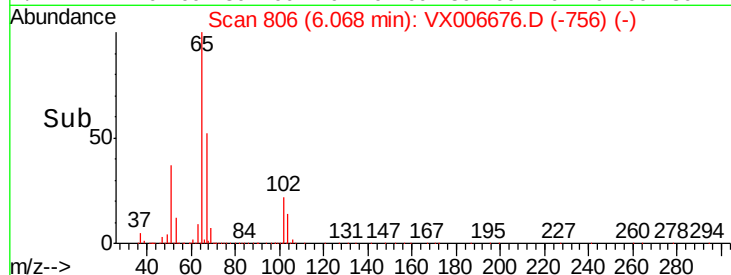
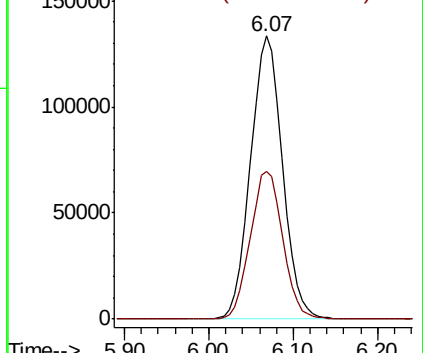
65 100

67 53.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

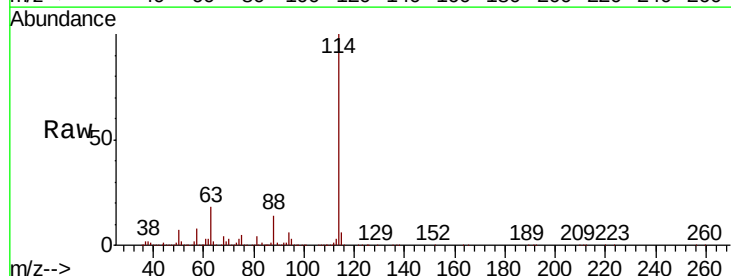
Tgt Ion: 114 Resp: 996831

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

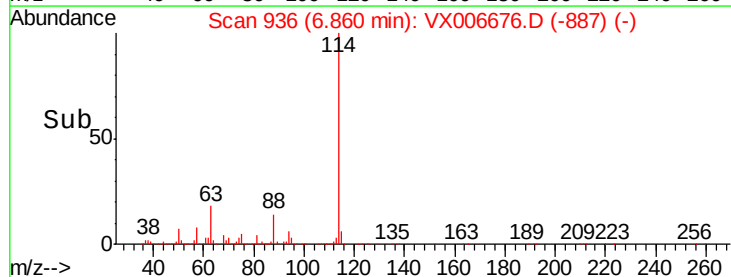
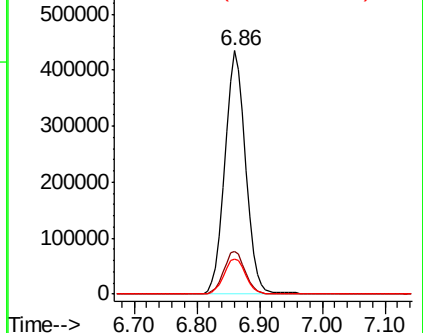
88 14.4 0.0 28.8

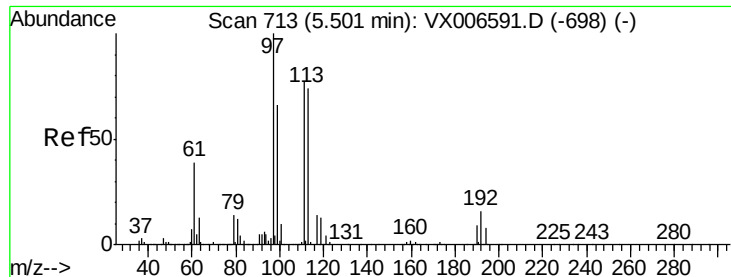


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.710 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

970-MW-11(15)

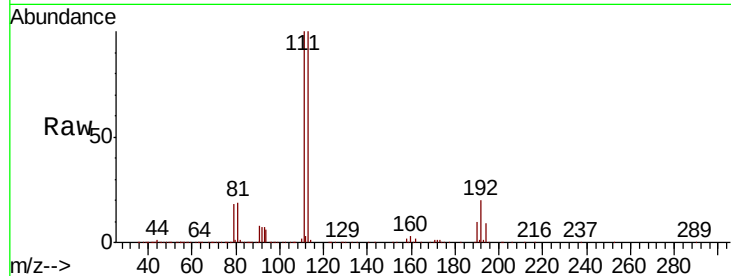
Tot Ion:113 Resp: 294452

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

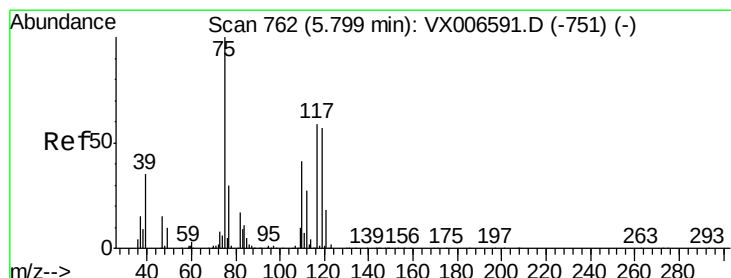
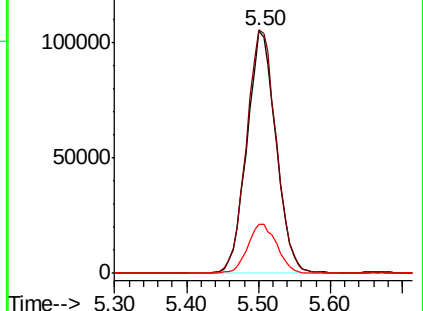
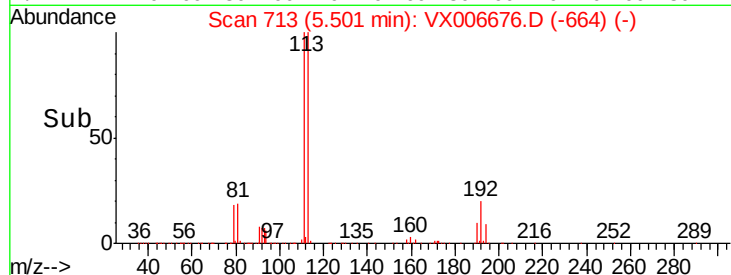
192 20.4 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.192 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

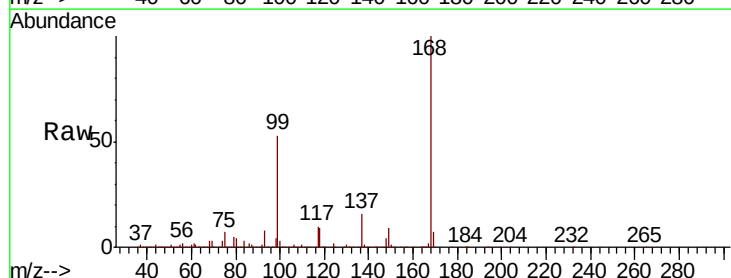
Tgt Ion: 75 Resp: 42866

Ion Ratio Lower Upper

75 100

110 10.6 20.2 60.5#

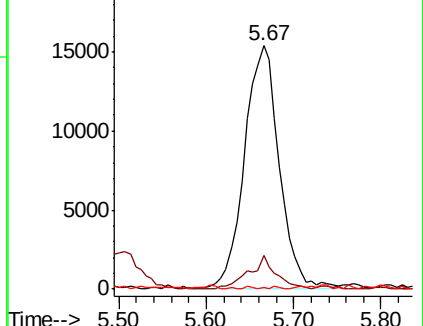
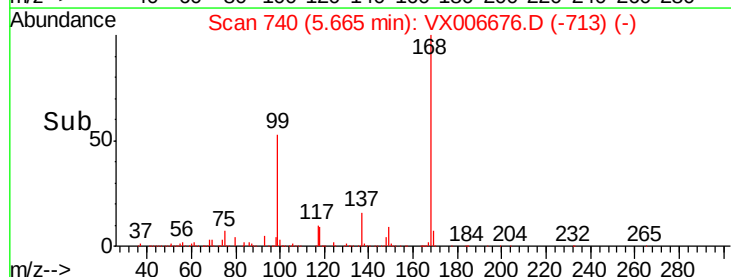
77 0.4 24.8 37.2#

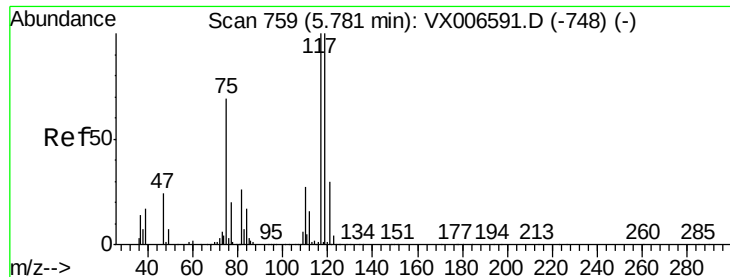


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.544 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

970-MW-11(15)

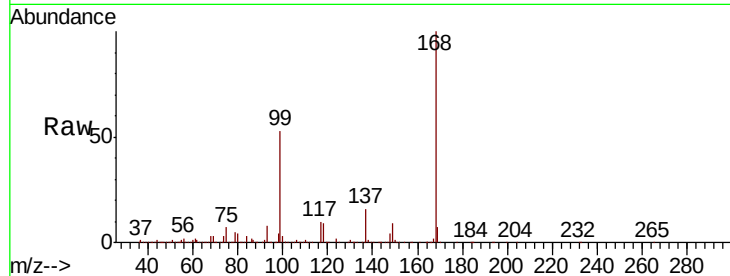
Tot Ion:117 Resp: 60532

Ion Ratio Lower Upper

117 100

119 3.7 79.4 119.2#

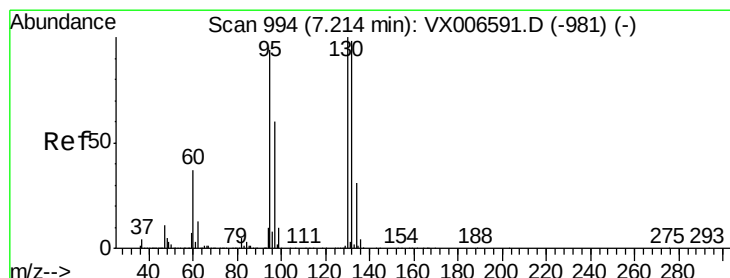
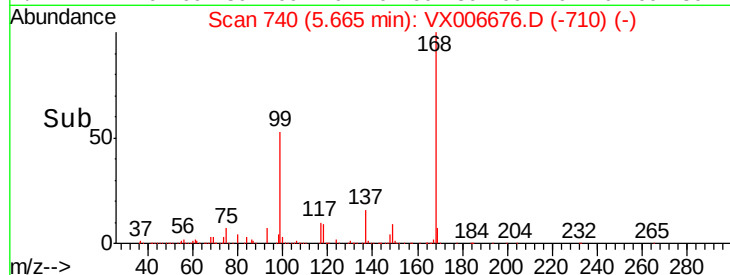
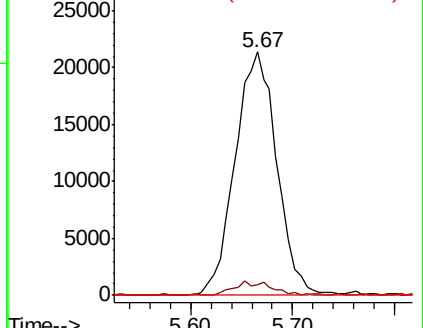
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.003 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006676.D

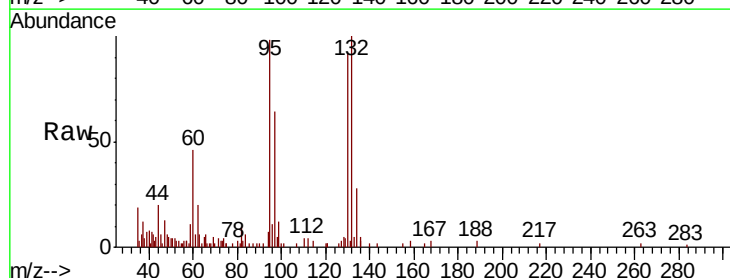
Acq: 20 Dec 2018 15:21

Tgt Ion:130 Resp: 7619

Ion Ratio Lower Upper

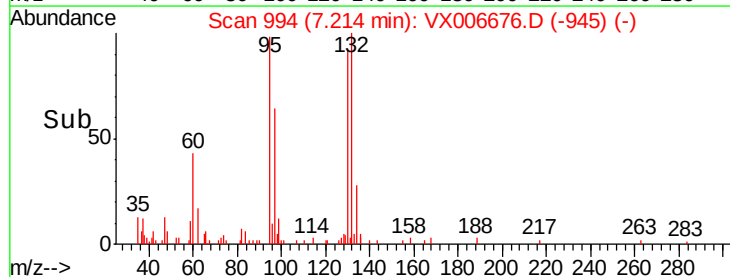
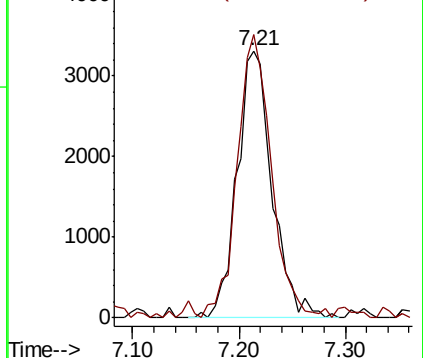
130 100

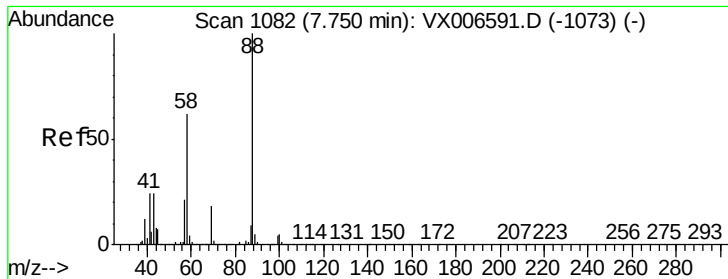
95 102.8 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.71 min Scan# 1076

Delta R.T. -0.04 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

970-MW-11(15)

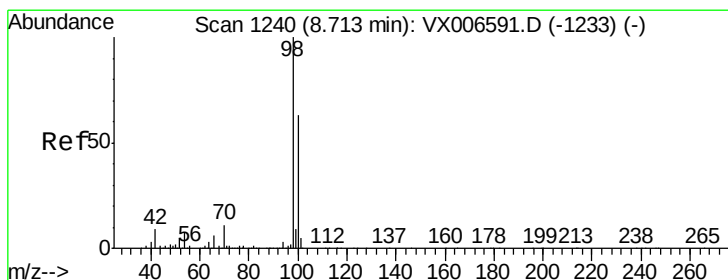
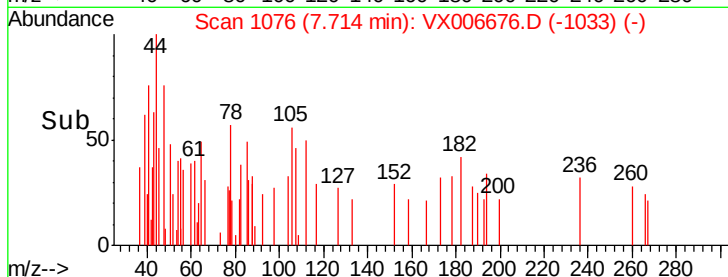
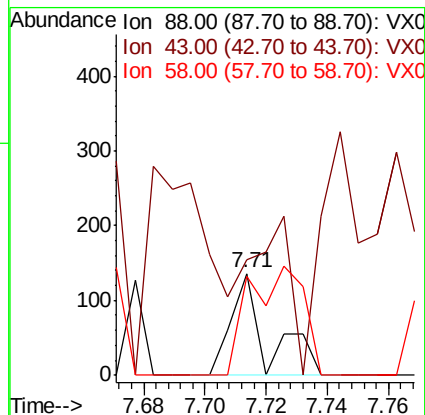
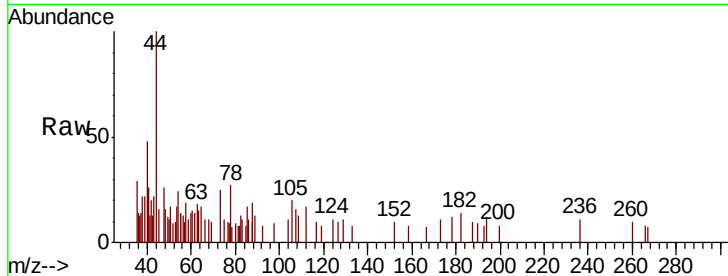
Tot Ion: 88 Resp: 113

Ion Ratio Lower Upper

88 100

43 171.7 22.2 33.4#

58 158.4 51.0 76.4#



#50

Toluene-d8

Concen: 49.687 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006676.D

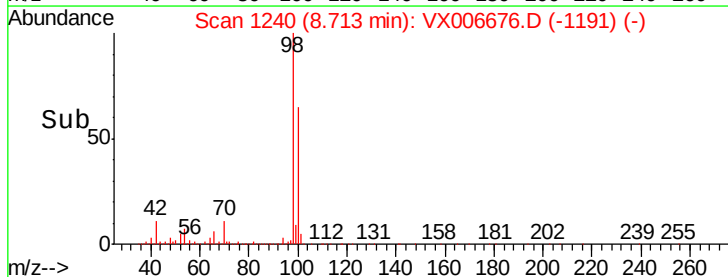
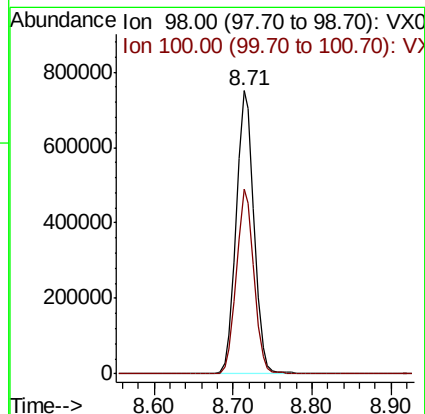
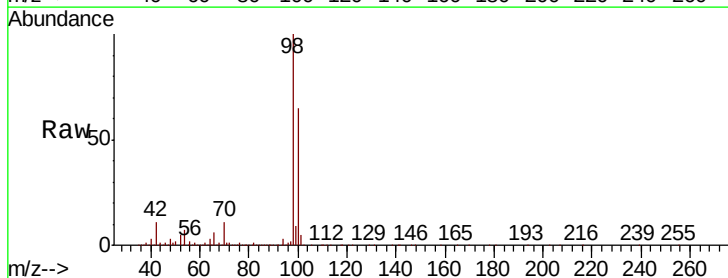
Acq: 20 Dec 2018 15:21

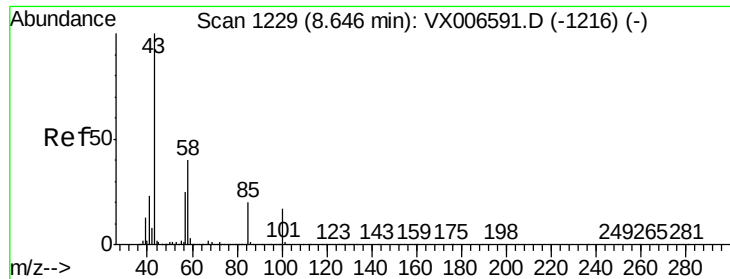
Tgt Ion: 98 Resp: 1180823

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

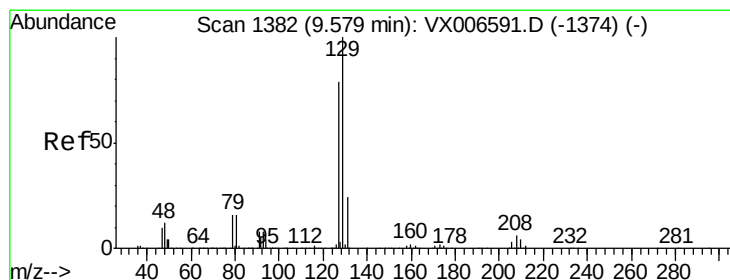
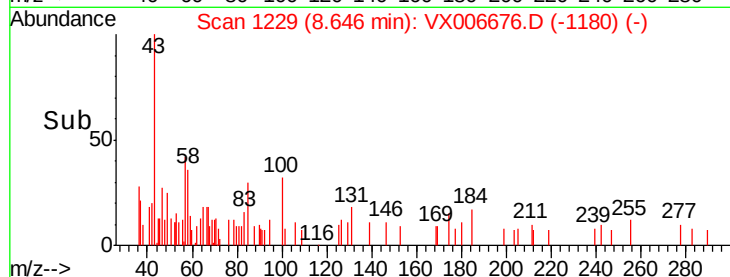
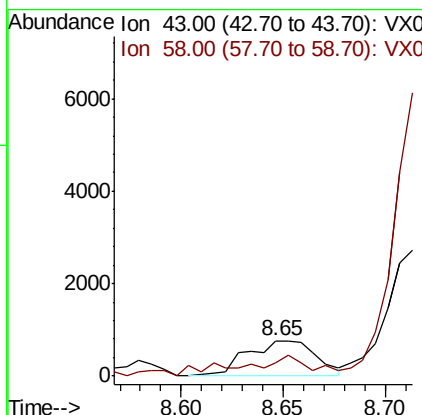
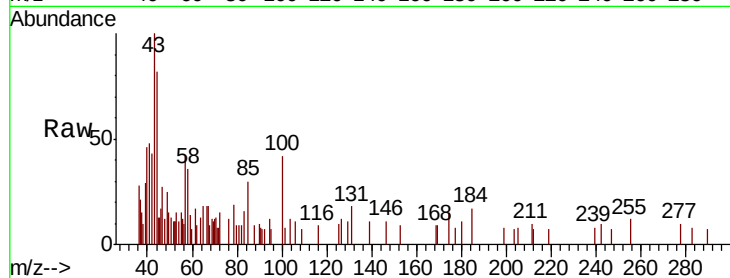




#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

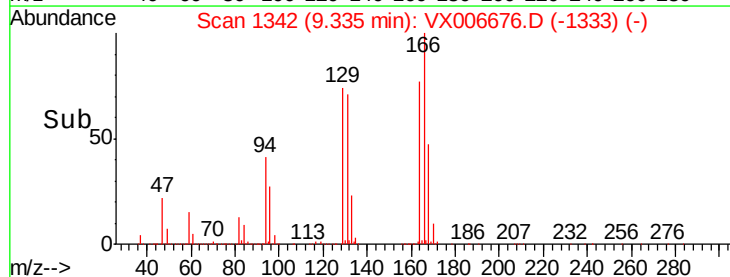
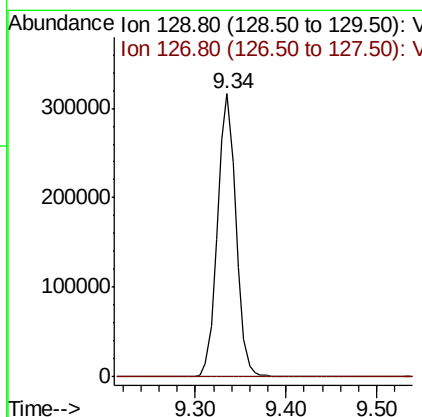
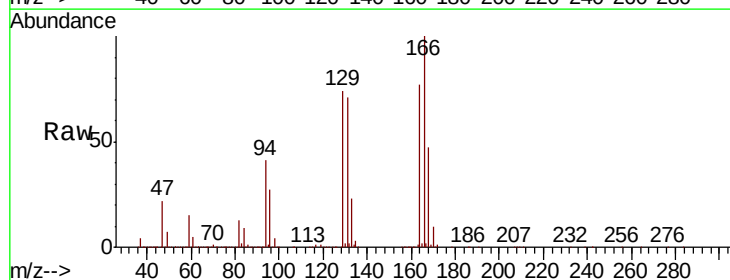
Instrument :
MSVOA_X
ClientSampleId :
970-MW-11(15)

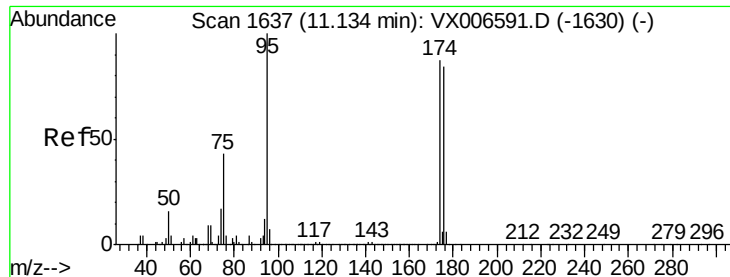
Tot Ion: 43 Resp: 1832
Ion Ratio Lower Upper
43 100
58 28.4 31.8 47.6#



#60
Dibromochloromethane
Concen: 64.431 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion: 129 Resp: 452082
Ion Ratio Lower Upper
129 100
127 0.2 39.3 117.8#

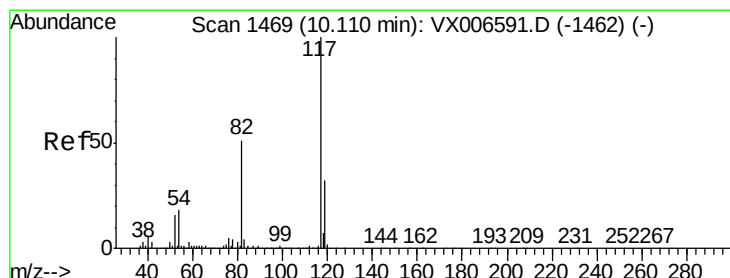
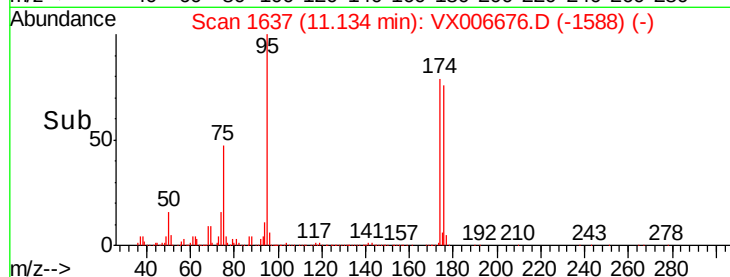
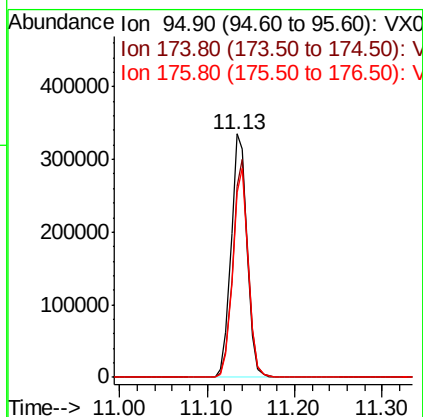
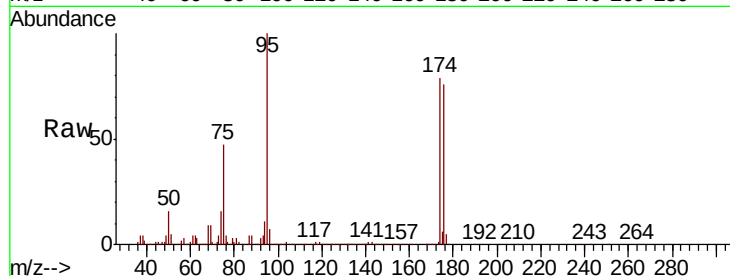




#62
4-Bromofluorobenzene
Concen: 49.388 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

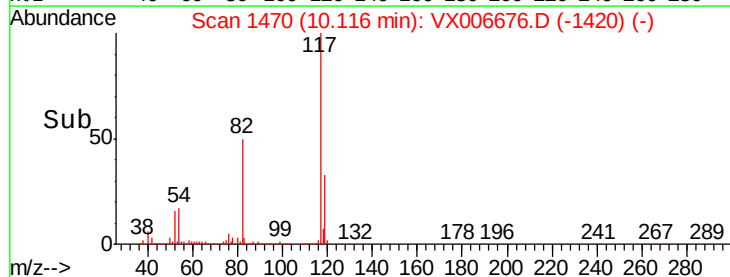
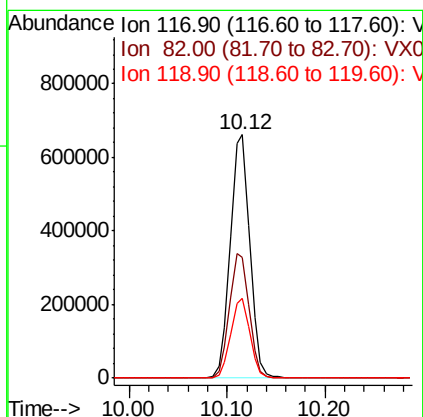
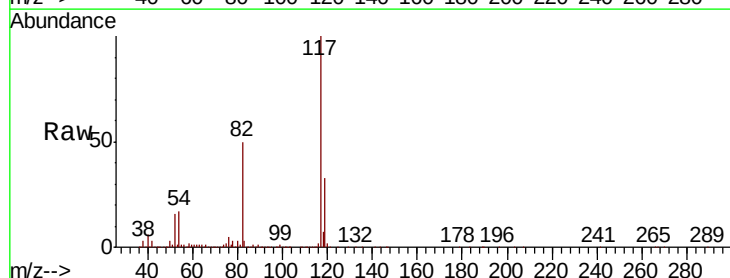
Instrument :
MSVOA_X
ClientSampleId :
970-MW-11(15)

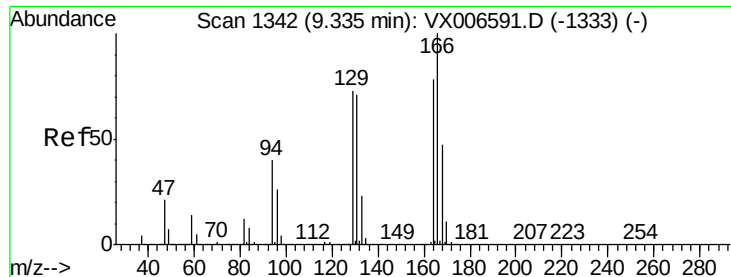
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	182.2
176	83.0	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.0	61.6
119	32.6	25.4	38.0

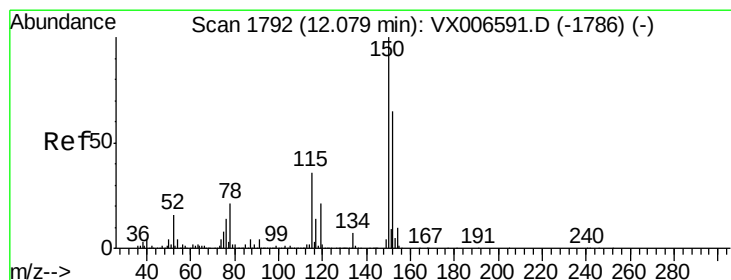
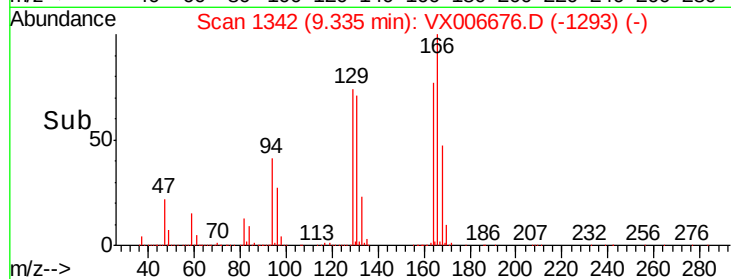
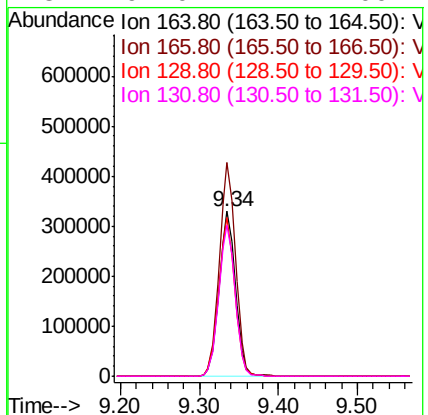
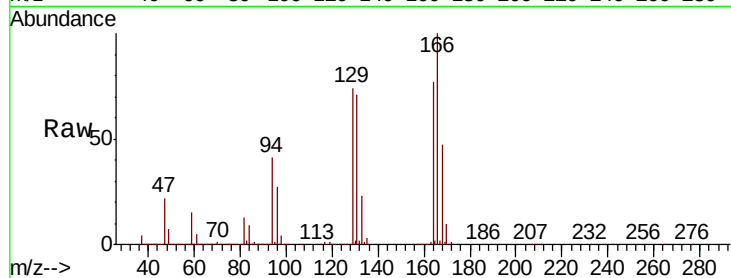




#64
Tetrachloroethene
Concen: 65.614 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

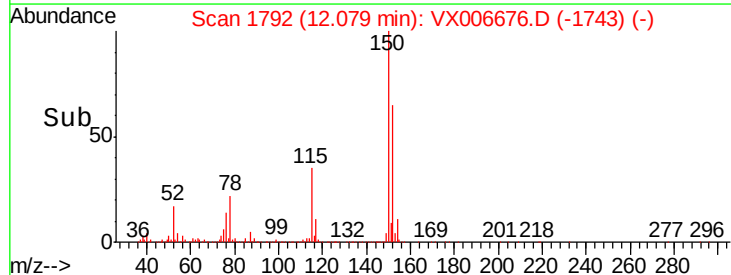
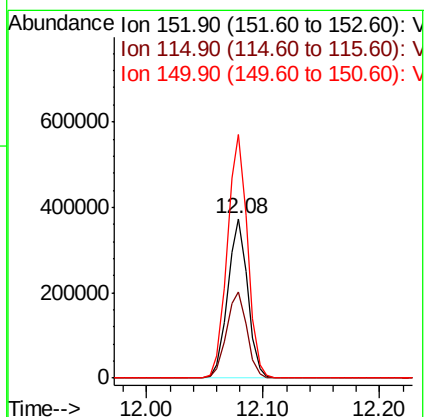
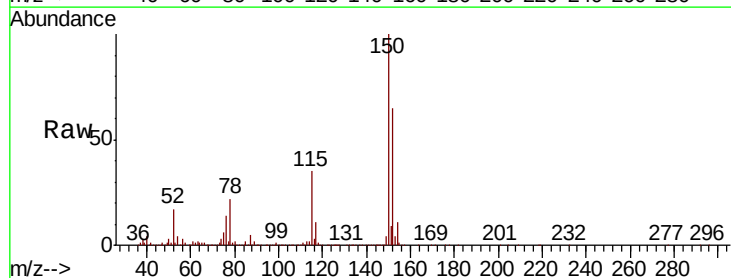
Instrument :
MSVOA_X
ClientSampleId :
970-MW-11(15)

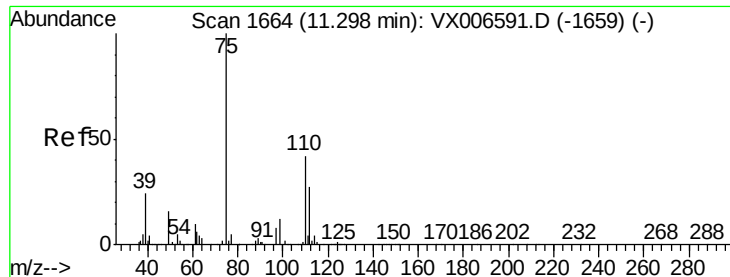
Tot Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.5	153.7
129	96.0	75.1	112.7
131	92.0	72.7	109.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006676.D
Acq: 20 Dec 2018 15:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	39.1	117.2
150	155.2	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 24.333 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

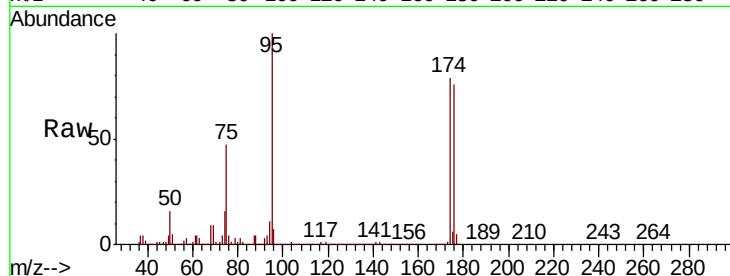
970-MW-11(15)

Tot Ion: 75 Resp: 199681

Ion Ratio Lower Upper

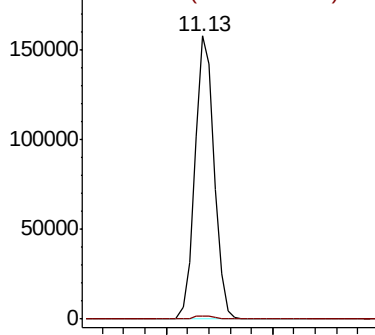
75 100

77 1.3 18.5 55.5#

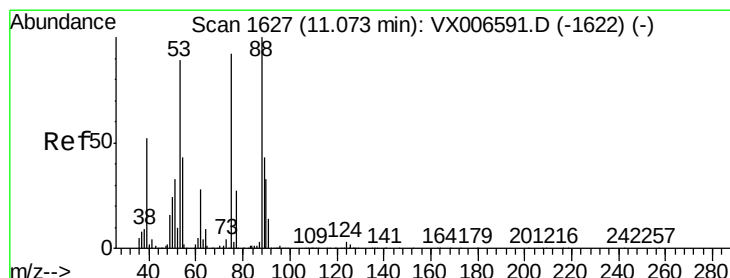
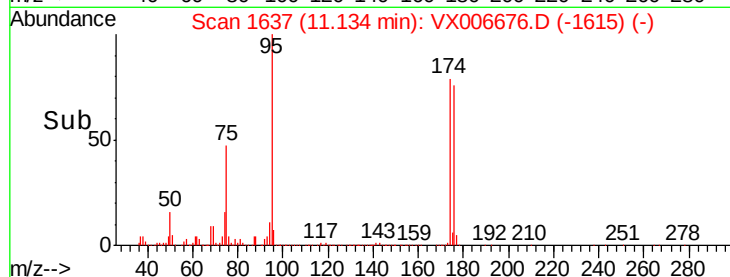


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

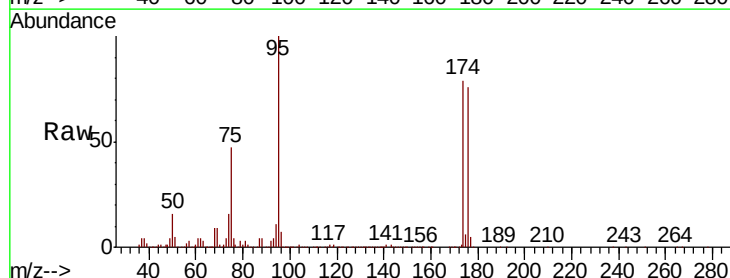
Tgt Ion: 75 Resp: 199681

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

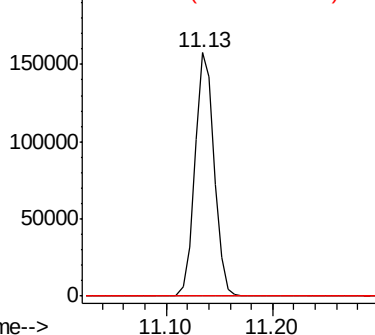
89 0.1 38.0 57.0#



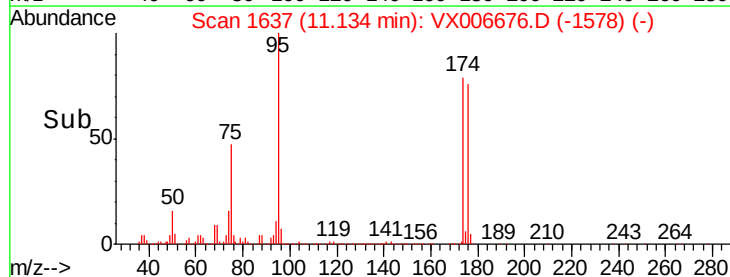
Abundance Ion 74.90 (74.60 to 75.60): VX0

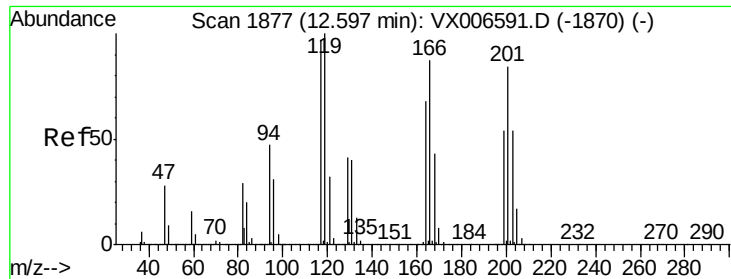
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->





#90

Hexachloroethane

Concen: 3.304 ug/l

RT: 12.46 min Scan# 1854

Delta R.T. -0.14 min

Lab File: VX006676.D

Acq: 20 Dec 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

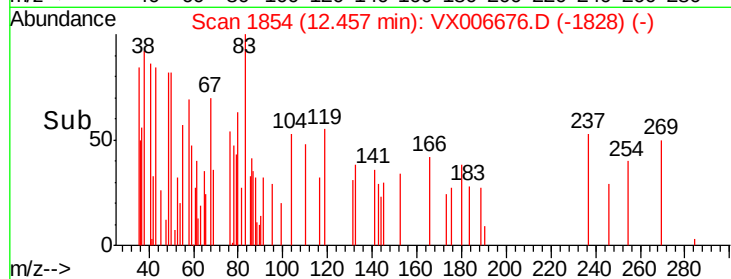
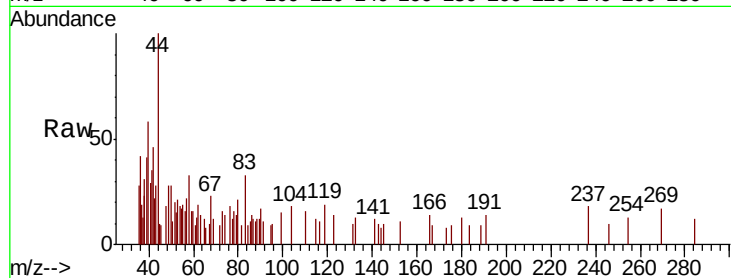
970-MW-11(15)

Tot Ion:117 Resp: 48

Ion Ratio Lower Upper

117 100

201 43.8 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

